

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE: June 3, 1991

SUBJECT: BTAG Recommendations, American Chemical Services
Feasibility Study Review

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TO: Robert Swale, RPM
IL/IN Section

Below are Region V's Biological Technical Assistance Group (BTAG) recommendations regarding the above mentioned site from the meeting May 31, 1991.

Overall the BTAG recommended discharge of treated groundwater back to the wetland. However, a more detailed description of the system should be presented before implementation. The description should demonstrate how damage to the wetland will be minimized.

In addition, the BTAG recommended monitoring of water levels both before and during groundwater withdrawal and discharge. During discharge, surface water levels should be monitored outside the cone of water table depression to correct discharge levels for natural variations in water levels.

While excess water can be diverted to Turkey Creek, the option of discharging all treated water to the creek should not be considered if dewatering of wetlands would result (depending on what proportion of wells are in the shallow vs. deep aquifers).

The data on water levels collected prior to groundwater treatment should be used to determine where to discharge treated water. Discharge at several locations may be warranted, and discharge to the ditch which bisects wetland areas could be considered (if it could serve as a distribution vehicle to adjacent wetlands).

Finally, discharge of treated groundwater to wetlands will likely not help to reduce sediment contaminant levels in any speedy manner.

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If you have any questions or need any additional information, please do not hesitate to call me at 6-4828.

cc: BTAG Members